

## ***Baba Farid University of Health Sciences, Faridkot***

***E-TENDER NOTICE FOR supply & installation of 32 Channel Video Electroencephalography (EEG Machine) for Neurology Department at GGS Medical College & Hospital, Faridkot.***

### **E-Tender Form**

**(E-Tender enquiry for Supply and Installation of 32 Channel Video Electroencephalography (EEG Machine) for Neurology Department at GGS Medical College & Hospital, Faridkot)**

Tender Notification No :	<b>To be provided by the E-procurement portal of the Govt. of Punjab.</b>
Tender Notification Date:	<b>23.04.2022</b>
Requirement	<b>E-Tender notice for supply and Installation of 32 Channel Video Electroencephalography (EEG Machine) for Neurology Department</b>
Cost of the tender document:-	Rs.2360/- (Non-refundable) to be deposited through Online Mode Only in favor of Registrar, Baba Farid University of Health Sciences, Faridkot.
Tender Processing Fee	To be charged by Govt. of Punjab as per its norms. (Non- refundable)
Earnest Money Deposit (EMD)	Rs.20,000/- The Earnest Money Deposit must be submitted in the shape of Online Payment in favor of Registrar, Baba Farid University of Health Sciences, Faridkot on or before due date (Refundable to the Non-successful bidders, without any type of interest or other charges). In case of successful tenderer, it will be returned after receipt of the security amount as per tender terms and conditions.
Date of start of downloading of tender documents	<b>06.05.2022</b> from the website of the Punjab Government i.e. <a href="https://eproc.punjab.gov.in">https://eproc.punjab.gov.in</a>
Website for downloading of the tender document:-	<a href="https://eproc.punjab.gov.in">https://eproc.punjab.gov.in</a> However, the details may also be obtained from the University website i.e. <a href="http://www.bfuhs.ac.in">www.bfuhs.ac.in</a> and college website <a href="http://www.ggsrch.org">www.ggsrch.org</a>
Last date for downloading of the tender document:-	<b>23.05.2022 up to 12.30 pm</b>
Last date & time for uploading of the tender documents:-	<b>23.05.2022 up to 1.30 pm (through online mode only)</b>
Date, time and venue for opening of the Technical Bids	By the next day from the last date of submission of tenders (by 5:00 p.m.) on the e- procurement portal of the Govt. of Punjab. However the bidder or their authorized agents / representative may attend the tender opening process at the University Procurement & Facility Department, Baba Farid University of Health Sciences, Faridkot on the prescribed time and date.
Date, time and venue for opening of the Price Bids	The opening date of financial bids of the technically qualified bidders will be informed on the university web site, e- procurement portal of the Govt. of Punjab. However the bidder or their authorized agents / representative may attend the tender opening process at the University Procurement & Facility Department, Baba Farid University of Health Sciences, Faridkot on the prescribed time and date. The University authorities will have right to decide any other date and time for the opening of the Financial bids.
Who can be contacted for obtaining more information about the tender.	Principal, Guru Gobind Singh Medical College & Hospital, Sadiq Road, Faridkot. 01639-251111, 98773-65600, 94655-13138 E-mail: <a href="mailto:procurement@ggsrch.org">procurement@ggsrch.org</a> <a href="mailto:ggsrch@punjab.gov.in">ggsrch@punjab.gov.in</a> , (on all working days from 9.00 a.m. to 5.00 p.m.)

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### **NOTICE INVITING E-TENDER**

**E-Tenders** are invited on or before **23.05.2022** from manufacturers or their authorized agents/distributors **for supply and Installation of 32 Channel Video Electroencephalography (EEG Machine) for Neurology Department required at GGS Medical College & Hospital, Faridkot.** The tender document containing detailed terms & conditions may be downloaded from the E-procurement website of the Punjab Government i.e. <https://eproc.punjab.gov.in> and its detail may also be seen at the University website [www.bfuhs.ac.in](http://www.bfuhs.ac.in) and college website [www.ggsmch.org](http://www.ggsmch.org)

#### **TERMS AND CONDITIONS:-**

1. The tender must be uploaded on or before the last date/ time of the submission of tender.
2. The Tender processing fee should be submitted through Net Banking/Credit card/Online mode only and as per Punjab Govt.
3. The **tenders will be opened online** on the next day on the website i.e. <https://eproc.punjab.gov.in> at the, Baba Farid University of Health Sciences, Faridkot. The bidder(s) shall be at liberty to be present, in person or through their authorized representative(s) at the time of opening of the tender as specified in the Tender Notice. In case the authorized representatives are to be present, they must furnish the authority letter from the bidder (s), on whose behalf they are representing otherwise they will not be allowed to participate in the process of opening of tender.
4. **The Price bids of technically qualified bidders will be opened** on the website i.e. <https://eproc.punjab.gov.in> at, Baba Farid University of Health Sciences, Faridkot. In case of any change of date and time it will be notified to the technically qualified bidders through E-mail/telephone.
5. The Registrar/Principal reserves all rights to accept or reject any or all the tenders without assigning any reason.

Registrar

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### **INSTRUCTIONS/ GUIDELINES TO THE TENDERERS**

1. The bidder needs to register himself/ herself on <https://eproc.punjab.gov.in> the bidder is also required to obtain Class III digital signature certificates to complete this process.
2. Please download the Tender document from the website of e-procurement of the Govt. of Punjab <https://eproc.punjab.gov.in> Please fill all the relevant blanks on all the pages of the tender document sign along with a stamp/ seal all pages and then a scanned copy of the same may be uploaded on the website at the time of submission of the tender document.
3. **It should be clearly noted that this tender will be accepted though e-tender mode only.** The tenders submitted through offline mode will not be accepted under any circumstances.
4. **Tender Fee :** as per Govt. and should be deposited through online mode only
5. **Tender Processing Fee:** as per Punjab Govt. (non-refundable) may be deposited through online mode i.e. Net Banking/ Credit Card/ Debit Card only. The tender processing fee will not be accepted through any other mode.
6. **Refundable Earnest Money Deposit (EMD):** EMD to be deposited online mode only in favor of Registrar Baba Farid University of Health Sciences, Faridkot.
7. **Upload** signed copy of Technical Bid Compliance Statement (**Annexure-I**).
8. **Upload** an affidavit regarding Non-Black listing as per proforma given at **Annexure-II** duly attested by an Executive Magistrate or a Notary Public.
9. In case the Bidder is Authorized Supplier/Agency, the Authorization Certificate as per the Format given at **Annexure-‘III’** (duly filled in), **to be uploaded.**
10. In case the Bidder is Authorized Supplier/Agency, an undertaking/certificate issued by their Principal Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply of the Equipments then the Principal Manufacturer/Supplier will be responsible for Guarantee/Warranty/AMC/CMC of the Equipments/Equipments. (**Annexure – ‘IV’**), **to be uploaded.**
11. **Upload** details of Bank Account for refund of EMD (**Annexure – V**).
12. In addition to this, following **documents are to be uploaded** with Technical Bid:-
  - i) Details of registration as Company /Firm/ Establishment.
  - ii) **Standard Certification must be uploaded.**
  - iii) Copy of Certificate of Registration for service Tax/TIN/TAN/PAN/VAT.
  - iv) A certificate from C.A. regarding Annual Turnover with Balance Sheet for the last 3 (three) financial years i.e. 2017-18, 2018-19 & 2019-20.
  - v) Copy of the IT Returns for three financial years i.e. 2017-18, 2018-19 & 2019-20.
15. Price should be quoted and **uploaded** only in Excel Sheet proforma at **Annexure-‘VI’**.

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**SCOPE OF SUPPLY**

<b>Sr.</b>	<b>Name of Equipment</b>	<b>Approx. Qty. Reqd.</b>	<b>Earnest Money to be Submitted (in Rs.)</b>
<b>1</b>	<b>32 Channel Video Electroencephalography (EEG Machine)</b>	<b>01</b>	<b>20,000/-</b>

Quantity may increase / decrease as per requirement.

**Make and Model No. must be quoted in Technical bid**

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## **TECHNICAL SPECIFICATIONS**

One 32 channel Video EEG system is required along with complete set of consumables and accessories with following specifications:

### **A. Hardware**

1. Number of EEG & channels should be 32 including 9 bipolar all optically isolated, 05 polygraphic channels and 03 transducer channels with capability of recording EOG, EMG & EKG.
2. Facility for simultaneous sampling of all EEG channels and multiple sampling rates for polygraphy channel is must.
3. Photic stimulator along with stand is must required such that manual or automatic programmable sequences should be controlled through software.
4. Input impedance > 100 Mohms
5. CMRR at patient inputs > 115 db
6. Sampling rates: 2000 for individual channels
7. Input noise: < 1.5  $\mu$ Vpk-pk
8. ADC converter : 16 bit
9. Low and high filter setting
10. Continuous impedance check throughout recording.
11. USB 2.0 interface / Ethernet interface
12. Facility to store video on compact disc.
13. Video frame rate 30 frames/sec.
14. Remote controlled video tracking, day night digital video canvas with high resolution zoom facility.
15. Online/offline half screen video
16. Upgradeable to 64 channel video EEG system.

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### **B. Acquisition Software**

1. Facility for individual channel control, customization of Montages, along with remontage capabilities through toolbar acceleration buttons.
2. Facility to combine all user defined settings into templates or protocol, for use in different applications and the protocol should be available for user by a menu selection.
3. Facility to define new sensor should be included as standard viz assign to amplifier inputs, define traces in a montage define calculated channels(Average, source/laplacian) or define trends.
4. Facility to define sets of more than one input sensors viz. 10-20,10-10 grids etc.
5. Facility for sort able list of all events placed in the recording, both automatically and manually placed such that when events is click, it shows corresponding EEG.
6. Facility to choose low and high cut filters from a user configurable list between 1 and 500 Hz along with facility to enter any value.
7. Facility to controlled display sensivity 1-5000uv/cm through software.
8. Software for data acquisition ,brain mapping, analysis and review on CD
9. True AC impedancecheck. Display numeric values of impedance for each electrode.
10. The system should have 64 channels display & FFT calculations.
11. Facility to measure patient reaction time to photicflashes, sounds, or other external devices triggered by the system.
12. Facility to topographic brain maps-band power and coherence & amplitude maps.
13. Facility for auto searching of events & comments.
14. Facility to measure amplitude and time duration.
15. Facility to print data with scale, without scaling & on A3 paper with 15 sec. data.

Facility for trend analysis

Software: online trends analysis software for analysis of Envelope, total power, absolute & relative band power, spectra ledge, spectrogram etc.

### **C. Review Software.**

1. Facility for prune/trim down EEG
2. Facility for Zoom/Magnify EEG trace, copy & paste of EEG or trends to reports and presentations.
3. Facility for audio playback of EEG is preferable.
4. Facility for search in the record by time.
5. Facility for automatic generation of reports.

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6. Facility to review the data recorded from test system on a CD/DVD, on any PC without the need of loading any additional REVIEW software.

7. Patient picture on EEG printout.

8. Patient picture on report for easy identification.

### **D. Patient Administration Software**

Network supported patient and test management software with tabbed workflow viz guiding the user for patient administration, exam scheduling network connectivity, launch of data acquisition, review and archive.

### **E. Computer Hardware**

1. desktop with latest branded PC Configurations like 24" flat LED monitor with integrated two stereo loudspeakers
2. 2<sup>nd</sup> generation intel (R.) core TM i5-2320 processor (3.0 GHz, 6 MB cache)
3. Memory 8 GB DDR3 SDRAM at 1333 MHz
4. Operating System genuine Windows (R ) 7 home premium SP 1 64 bit( English )
5. Hard drive 1 TB SATA 3.0 Gb/s hard drive with native command queuing
6. DVD RW
7. Optical mouse and keyboard
8. Gigabit LAN
9. 1.5 KVA UPS
10. Laser printer with 50 PPM
11. Standard accessories on good trolley, Antivirus

### **F. Camera**

1. High resolution motorized zoom camera for crystal clear video with PTZ option
2. Camera with 752(H)×582(V) Pixels with 3.6 mm (H)×2.7 mm (V) Scanning area
3. High zoom ratio AF lens :30×optical +10×Digital
4. auto focus, auto ICR function
5. Wide range Pan/tilt 360 endless pan/185 degrees tilt
6. No/low signal sensitivity: 0.5 lux in colour and 0.04 in black and white
7. PAL/CCIR signal

### **G. Consumables**

1. Four sets of 64 electrodes
2. chin, legelectrodes.

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The system should be compatible with 160-240 V AC current and appropriate standby power supply.

Company should provide service for at least 10 years and guarantee for 5 years and 5 years CMC and should have track record of supplying the said machine in government institutions in India

### **NOTE: -**

- All accessories like UPS / Stabilizer or any other which are required for machine should be supplied by the L1 bidder.
- **Price of above accessories should be quoted too separately in price bid. The specific accessories and their quantity will be decided on the basis of actual requirement.**
- Compliance report to be submitted in a tabulated and point-wise manner (as per technical specifications), clearly mentioning the page/ para number with authenticated catalogue / manual, without which it will not be considered. Points not covered in the brochure must be specifically addressed in a separate certificate.
  - User list from Govt sector and good repute private hospitals should be provided.
  - Certificate (s) regarding standard in quality must be uploaded.
  - Expected delivery & Installation time: Within 45 days after issue of supply order.



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### **TERMS AND CONDITIONS**

**FOR SUPPLY AND INSTALLATION of 32 CHANNEL VIDEO  
ELECTROENCEPHALOGRAPHY (EEG MACHINE) FOR NEUROLOGY  
DEPARTMENT REQUIRED AT GGS MEDICAL COLLEGE & HOSPITAL,  
FARIDKOT.**

#### **ELIGIBILITY**

- The sole manufacturers of equipments or their authorized agents/distributors may quote their rates.
  - In case of Authorized Supplier/Agency/Distributor, the Authorization Certificate as per the Format given at **Annexure-‘III’** should be uploaded.
  - In case the Tenderer is authorized dealer/supplier an undertaking/certificate issued by their Principle Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply then the Principle Manufacturer/Supplier will be responsible for Guarantee/Warranty/AMC/CMC. (**Annexure – ‘IV’**).
1. This institution reserves the right to reject tenders without assigning any reason and increase or decrease the quantity of the articles tendered.
  2. ***If the supply and installation*** is not made within the stipulated period then late delivery charges @**2%** will be imposed on the total amount of Supply Order up to delay of **30 days** and thereafter @ **4%** for another **30 days** after which Supply Order will be deemed cancelled & security/earnest money will be forfeited and company will be black-listed for future.
  3. Payment Terms: 80% Payment will be released after satisfactory Installation of the Equipment and balance 20% will be made after 60 days of the Installation and satisfactory working of the equipment.
  4. In-complete or conditional offers incorporating price variation will not be entertained.
  5. The firm should have been in existence for at- least **three years** and it should have turnover of **Rs. 50,00,000/- per year**.

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### Annexure-I

#### TECHNICAL BID COMPLIANCE STATEMENT

Name and Address of the applicant / firm \_\_\_\_\_

Specify whether Manufacturer/Dealer/Distributor: \_\_\_\_\_

Sr. No.	Particulars	Remarks
1.	Tender Fee of <b>Rs.2360/-</b> through Online Mode only on or before due date.	Yes/No
2.	Tender Processing fee charged by Punjab Govt. as per their norms. (Non-refundable).	Yes/No
3.	Earnest Money deposit in favor of Registrar Baba Farid University of Health Sciences, Faridkot through online mode only.	Yes/No
4.	Technical Bid Compliance Proforma uploaded ( <b>Annexure-I</b> ).	Yes/No
5.	Whether an affidavit regarding Non-Black listing as per proforma given at <b>Annexure-II</b> duly attested by an Executive Magistrate or a Notary Public uploaded.	Yes/No
6.	In case the bidder is Authorized Supplier/Agency, the Authorization Certificate as per the Format given at <b>Annexure-III</b> uploaded.	Yes/No
7.	In case the Tenderer is Authorized Supplier/Agency, an undertaking/certificate issued by their Principle Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply then the Principle Manufacturer/Supplier will be responsible for Guarantee/Warranty/AMC/CMC ( <b>Annexure – IV</b> ) uploaded.	Yes/No
8.	Details of Bank Account for refund of EMD ( <b>Annexure – V</b> ) uploaded.	Yes/No
9.	Price Bid in the prescribed format in Excel Sheet ( <b>Annex – VI</b> ) uploaded.	Yes/No
10.	Copy of Certificate of Registration for service Tax/TIN/TAN/PAN uploaded.	Yes/No
11.	A certificate from C.A. regarding Annual Turnover with Balance Sheet for the last 3 (three) financial years i.e. 2017-18, 2018-19 and 2019-20 uploaded.	Yes/No
12.	Copy of the IT Returns for three financial i.e. 2017-18, 2018-19 and 2019-20 uploaded	Yes/No
13.	Certificate regarding standard in quality <b>as per required in specifications</b>	Yes/No
14.	Compliance sheet, point wise, as per specifications uploaded	Yes/No
15.	E-mail ID	

**Signature & seal of bidder**

**Place:**

**Date :**

**Note:** Please upload Catalogue/Brochure/Pamphlets with complete specifications of quoted model only.

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**Annexure-II**

**(To be furnished on non-judicial stamp paper worth Rs.100/- duly attested by Executive Magistrate or Notary Public).**

**AFFIDAVIT**

I/We \_\_\_\_\_  
partner/sole proprietor (Strike out which is not applicable) of (Name & Address of Firm)  
\_\_\_\_\_ do hereby declare and solemnly affirm:-

- a) That the individual/firm/ companies are **not debarred or black-listed** by any department of Union/ State Government or any autonomous institute.
- b) That no partner or shareholder, directly or indirectly connected with the applicant who has been debarred or blacklisted by any department of Union Govt./State Govt./Autonomous Institute.
- c) And that the terms and conditions for supply and Installation of Equipments at GGSMCH, Faridkot, are acceptable to me/us. I/We shall abide by them in letter and spirit.

Date:

Place:

DEPONENT

**VERIFICATION**

I/We do hereby solemnly declare and affirm that the above declarations are true and correct to the best of my/our knowledge and beliefs. No part of it is false and nothing has been concealed therein.

Date:

Place:

DEPONENT

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**Annexure- III**

**MANUFACTURER’S/PRINCIPAL AUTHORIZATION FORM**

TO

The Registrar  
Baba Farid University of Health Sciences,  
Faridkot -151203

**Ref. No.....**

**Dated:**

**Sub: Authorization Certificate in favour of M/s..... for supply of ..... (Name of equipment)**

We, M/s....., who are established and reputable manufacturers of .....(name of equipment) having factory(ies) at ..... and ....., hereby authorize M/s.....(name and address) to bid, negotiate and conclude the Tender formalities with you against Tender No..... for the above equipment(s) manufactured by us.

No company or firm or individual other than M/s..... are authorized to bid, negotiate and conclude the tender formalities in regard to this business against this specific tender.

We, hereby extend our full guarantee and warranty as per the conditions of tender for the goods offered for supply against this tender by the above firm.

Yours faithfully,

(Name)

For and on behalf of M/s\_\_\_\_\_ (name of manufacturer/Principal)

**Note: This letter should be signed by a person competent and having authority to sign on behalf of manufacturer, and should be on manufacturer Letter Head and same will be uploaded with Technical Bid.**

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**Annexure - IV**

**UNDERTAKING BY MANUFACTURER/PRINCIPAL SUPPLIER**

TO

The Registrar  
Baba Farid University of Health Sciences,  
Faridkot -151203

**Ref. No.....**

**Dated:**

**Sub: Undertaking for after sales service**

We, M/s....., who are established and reputable manufacturers of .....(name of equipment) have authorized M/s.....(name and address) to bid, negotiate and conclude the Tender formalities with you against Tender No..... for the above equipment(s).

Further, we undertake that in case dealership/distributorship is withdrawn after supply of equipment then we shall be responsible for after sales service till the date of guarantee/warranty of the equipment and afterwards for a period of 10 years.

Yours faithfully,

(Name)

For and on behalf of M/s\_\_\_\_\_ (name of manufacturer/Principal)

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**Annexure- V**

**Details of Bank Account of the firm who has deposited EMD**

Name of the firm: \_\_\_\_\_

<b>Sr. No.</b>	<b>Particulars</b>	<b>Detail</b>
1.	Account No.	
2.	Name of Bank	
3.	Branch Name	
4.	IFSC Code of Bank	
5.	Name of Operator	

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**ANNEXURE - VI**

**PRICE BID**

**TO BE UPLOADED in Printed/Computerized format in Excel Sheet Attached for all Equipments.**